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The department is also largely indebted to Mr. Chas. F. Parker, Curator-in-charge, who has kindly undertaken the mounting of specimens.

Respectfully,

ANGELO HEILPRIN,

Professor of Invertebrate Palæontology.

REPORT OF THE PROFESSOR OF MINERALOGY.

The Professor of Mineralogy respectfully reports that in addition to the usual work of classifying the collections under his charge, he has delivered during the winter and spring of 1882, a course of 28 lectures on Mineralogy.

The lectures, given under the auspices of the Committee on Instruction, began on January 5, 1882, and were given tri-weekly in the class-room of the Academy. They included an examination of the valuable collection of the Academy, and practical demonstrations of the method of determining minerals both by their external and by their chemical characters.

The mineralogical collection is gradually increasing in size and in value. In the absence of any specific fund for the purchase of new specimens, it has not been possible to add to its number of species except by exchange or through donations. Special care has been taken that where minerals are acquired by exchange or otherwise, preference should be given to species not in the collection. 300 specimens have been received through donation or exchange, 37 of which are species new to the collection. A detailed catalogue of these, with the donors, is given in the appended list, the minerals new to the collection being printed in italics. The most noteworthy addition to the collection has been the donation of Mr. J. M. Hartman of a large number of specimens. The lithological collection has also been increased by some 43 specimens. The labeling and mounting of the specimens has been performed as before by Mr. Chas. F. Parker, Curator-in-charge, whose skill in such work has greatly increased the beauty of the collection.

The attention of the friends of the Academy is again drawn to the necessity of mineralogical apparatus for the prosecution of advanced mineralogical work. The Professor of Mineralogy has been unable to properly classify the large collection of feldspars

in the Academy, for want of a suitable polarizing microscope. The work will be undertaken as soon as an instrument is obtained. The micas have been classified by the aid of an instrument made at his own expense. A reflecting goniometer is also greatly to be desired, both for class instruction and for the proper determination of many crystalline forms in the collection.

By the death of Mr. Wm. S. Vaux the Academy has lost a most liberal contributor to the mineralogical collection. Arrangements are now in progress, which it is hoped will result in transferring his very valuable collection to the custody of the Academy.

Respectfully submitted,

H. CARVILL LEWIS,

Professor of Mineralogy.

The election of Officers for 1883 was held, with the following result:—

<i>President,</i>	. . .	Joseph Leidy, M. D.
<i>Vice-Presidents,</i>	. . .	Thomas Meehan, Rev. Henry C. McCook, D. D.
<i>Recording Secretary,</i>	. . .	Edward J. Nolan, M. D.
<i>Corresponding Secretary,</i>	. . .	George H. Horn, M. D.
<i>Treasurer,</i>	. . .	William C. Henszey.
<i>Librarian,</i>	. . .	Edward J. Nolan, M. D.
<i>Curators,</i>	. . .	Joseph Leidy, M. D., Chas. F. Parker, Jacob Binder, W. S. W. Ruschenberger, M. D.
<i>Councillors to serve three years,</i>	. . .	Thomas A. Robinson, Edward Potts, Isaac C. Martindale, Theodore D. Rand.
<i>Finance Committee,</i>	. . .	Isaac C. Martindale, Clarence S. Bement, Aubrey H. Smith, S. Fisher Corlies, George Y. Shoemaker.